COL Kevin S. Noonan

Project Manager
Combined Arms Tactical Trainers

Mr. Pat Spangler

Deputy Project Manager
Combined Arms Tactical Trainers

COL Kevin S. Noonan (PM)

Mr. Patrick Spangler (DPM)

APM CCTT
Mr. John Foster

Close Combat Tactical Trainer

- ❑ Close Combat Tactical Trainer (CCTT)
- ❑ National Guard SIMNET Upgrade

PM STS
LTC Russ Hinds

Special Operations Training Systems

- ❑ Special Operations Air Ground Interface Simulator (SAGIS)
- ❑ LASAR, MH-6 (Little Bird) Flight Simulator
- ❑ MH-47G / MH-60M Flight Simulators

PM GCTT
PM GCTT **LTC Joe Giunta**

Ground Combat Tactical Trainers

- ❑ Engagement Skills Trainer (EST) 2000
- ❑ STRYKER Gunnery, Maintenance & Driver Trainers
- ❑ Call For Fire Trainer (CFFT)
- ❑ Abrams & Bradley Gunnery and Maintenance Trainers
- ❑ Laser Marksmanship Training System (LMTS)

Acting APM SE CORE
Mr. John Foster

- ❑ *Synthetic Environment Core*

PM ACTT
LTC Wil Riggins

Air & Command Tactical Trainers

- ❑ AVCATT / PM Armed Recon Helo Support
- ❑ PM Fixed Wing Support
- ❑ Utility/Cargo Helicopter Trainers
- ❑ Maritime Integrated Training System (MITS)
- ❑ AH-64 Combat Mission Simulator (CMS)

CCTT/SE CORE Current Contracts

CURRENT	CONTRACTORS	STATUS – OPTION YEARS
SE CORE Architecture and Integration	SAIC	1st month of 30 month effort
SE CORE Database Process	ARA LM STS Terrex	Awarded 3 contracts for phase 1 which is 8 months. Second phase is 10 months
CCTT Production	LM STS	3rd year with 1 more year of production
CCTT Image Generators	E&S	2nd year with follow-on contract for FY06
CCTT PPSS	Kaegan	1st year of contract with 4 options years
CCTT RVS	LM STS	Development of 2 RVS with option for 4 RVS
SIMNET XXI	Raydon	Production of 2 Armor Platoon sets

PM ACTT Current Contracts

CURRENT	CONTRACTORS	STATUS – OPTION YEARS
Aviation Combined Arms Tactical Trainer (AVCATT)	L3/Communications (L3Com)	Production & Deployment – thru FY 2009
Maritime Integrated Training System (MITS)	Computer Sciences Corporation (CSC)	Production & Deployment – thru FY 2005
Lift Simulator Modernization Program (LSMP)	Rockwell Collins	Production & Deployment – thru FY 2006
Additional Black Hawk Flight Simulators (ABHFS)	Rockwell Collins	Production & Deployment – thru FY 2006
AH-64A Combat Mission Simulator (CMS)	Northrop Grumman Management Systems (NGMS)	Production & Deployment – thru FY 2005

PM GCTT Current Contracts

CURRENT	CONTRACTORS	STATUS – OPTION YEARS
Engagement Skills Trainer 2000	**CUBIC/FATS**	**Continuing production through FY 06**
Laser Marksmanship Training System	**L3/MPRI-Beamhit**	**Continuing production - TBD**
Conduct of Fire Trainer (COFT) XXI	**Raydon**	**Continuing production through FY 07**
STRYKER Maintenance Training System	**Rockwell Collins**	**Prototype deliveries in FY 05, production deliveries in FY 06 through FY 07**
STRYKER MGS AGTS	**LM STS**	**Continuing production through FY 07**
Virtual Combat Convoy Trainer (VCCT)	**LM STS/Raydon**	**Training Support / Services - TBD**
HIMARS Maintenance Training Systems	**RTI/DEI**	**Production through FY 10**
Common Driver Trainer/STRYKER Variant	**SAIC/FAAC**	**Production Through FY 07**

PM STS Current Contracts

CURRENT	CONTRACTORS	STATUS – OPTION YEARS
LASAR, MH-6 (Little Bird) Flight Simulator	**CAE, USA**	**Delivery expected 4th Qtr FY05**
MH-47G / MH-60M Flight Simulators	**CAE, USA**	**MH-47G delivery 3rd QTR FY06; MH60K/L delivery 2nd QTR FY07**
Special Operations Air Ground Interface Simulator (SAGIS)	**Rockwell Collins**	**Prototype to be delivered 4th QTR FY05**
Special Reconnaissance Technology Insertion Effort	**Rockwell Collins**	**Awarded March 2005**
SOF Mission Rehearsal & Training System	**CAE, USA**	**Awarded 12 April 2005**
Simulation Block Upgrades	**CAE, USA; Rockwell Collins**	**Various upgrades ongoing.**
Blackhawk Trainer	**Rockwell Collins**	**Delivery expected 3rd QTR FY06**

PM CATT: Points of Contact

The Contracting Officer is POC for Programs in Solicitation Phase		

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APM SE CORE: Mr. John D. Foster, APM	john.foster@peostri.army.mil	**(407) 384-3814**

Assistant Project Manager SE CORE:

- ❑ **Database Production**

Product Manager ACTT:

- ❑ **AVCATT Expanded Capabilities and Platform Concurrency**
- ❑ **Virtual Helicopter Aircrew Trainer (VHAT)**
- ❑ **Armed Reconnaissance Helicopter (ARH)**
- ❑ **Future Cargo Aircraft (FCA)**

Product Manager GCTT:

- ❑ **Medical Simulator Training Centers**

- ❑ **Virtual Combat Convoy Trainers**

- ❑ **Bradley Hands on Trainers (Maintenance)**

- ❑ **ASV – Family of Trainers**

- ❑ **FMTV – Family of Trainers**

- ❑ **EST 2000 – Re-compete**

- ❑ **Common Gunnery Architecture**

Mr. John Foster
APM SE CORE

Synthetic Environment Core

Synthetic Environment Core

Description of Database Production

The Standard/Rapid Terrain Database Generation Capability STDGC) creates tools, process, procedures and infrastructure required for a single unified master database (MDB) built to the highest resolution possible and is maintained and updated based on new data sources and geo-political climate changes. Tailoring and formatting tools will extract correlated MDB run-times formats required by the confederate training systems based on systems capabilities and training or mission rehearsal objectives.

Acquisition Strategy	Funding
Develop, demonstrate and transition proof of concepts to an acquisition program.	**H** **$$$** **Total Life Cycle** **RDT&E/OMA**

Point of Contact	Milestones
Name: John Foster **Phone: 407-384-3814** **Email: john.foster@peostri.army.mil**	**RFP Release 4QFY05** **Contract Award 1QFY06** **Establish First DB Center 1QFY07**

LTC Wil Riggins
Product Manager

Air Combat Tactical Trainers

Description

Required: Non-Proprietary Expanded Capabilities to include: Classified Operations (up to SECRET); Helmet/optics upgrade; L-V-C Interoperability; Motion Cueing for Manned Modules; Image Generator Tech Refresh; Armed Reconnaissance Helicopter (ARH); Unmanned Aerial Vehicle (UAV) to Aircraft interface; Deployable to remote locations

Acquisition Strategy		Funding
• **The Gov't Envisions subcontracting opportunities w/ AVCATT OEM;** • **(or) Second Source via STOC**		**M** **$$** **RDT&E and OPA**
Point of Contact		**Milestones**
Name: Don Philpitt **Phone: 407-384-5154** **Email: don.philpitt@peostri.army.mil**		▲ RFP: FY05-FY11 ▲ CA: FY05-FY11

Description

Required: Non-Proprietary AVCATT Concurrency Upgrades & Technical Refresh:
Longbow Block II
CH-47F (FY 06)
UH-60M (FY 08)
Longbow Block III (FY 10)

Acquisition Strategy

- **The Gov't Envisions subcontracting opportunities w/ AVCATT OEM;**

- **(or) Second Source via STOC**

Funding

H

$$$

RDT&E and OPA

Point of Contact

Name: MAJ Don Stewart
Phone: 407-384-3618
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Milestones

RFP:
FY05-FY11

CA:
FY05-FY11

VHAT (Virtual Helicopter Aircrew Trainer)

Description

- Emerging Requirements derived from the 101St ABN DIV (Air Assault) Operational Need Statement (ONS) for a Non-rated Crewmember (NCM) Training capability.

- Required: A non-proprietary NCM aircrew trainer with primary focus on training door gunnery tasks; Reconfigurable (CH-47/UH-60); transportable for individual/collective training; and Fair Fight Interoperable DIS / HLA/ SE Core compliant TADSS e.g. AVCATT, CCTT, VCCT, FSXXI)

Acquisition Strategy

- **Currently conducting market research and training analysis to determine requirements and acquisition approach** (*e.g. training services or acquisition*) **for objective training system**

Funding

L

$

TBD – Likely OMA

Point of Contact

Name: MAJ Brian Stehle
Phone: 407-384-5111
Email: brian.stehle@peostri.army.mil

Milestones

▲   ▲
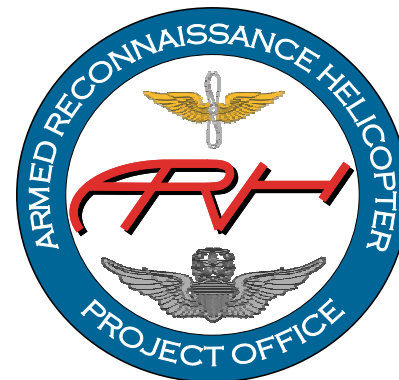
RFP: CA:
FY05/06   FY05/06

ARH (Armed Reconnaissance Helicopter)

Description

❑ Emerging TADSS requirements derived from the ARH Request For Proposal (RFP).

❑ Required: Non-proprietary Transportable Flight Simulator; Cockpit Procedures Trainer; Mission rehearsal/combat TADSS; FCS compatible software; and Fair Fight interoperable with DIS / HLA / SE Core compliant TADSS (e.g. AVCATT, CCTT, VCCT, FSXXI).

Acquisition Strategy	Funding
• The ARH Acquisition Strategy contains a provision for the platform OEM (TBD) to be responsible for all ARH TADSS. • PM ARH's target date to award Platform contract is June 2005 and finalize the TADSS acquisition strategy is Oct 2005. • PM ACTT's role is currently support and consultation to PM ARH with the exception of inclusion into AVCATT.	**M** **$$** RDT&E and OPA
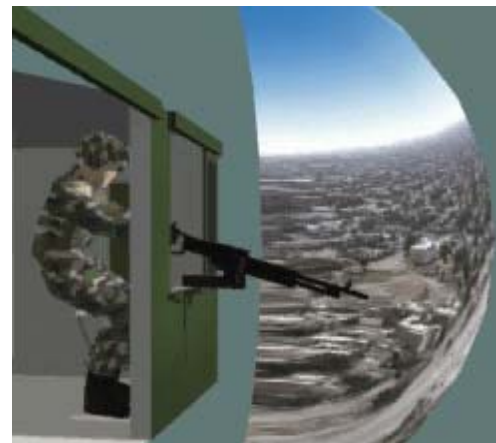
Point of Contact

Name: MAJ Brian Stehle
Phone: 407-384-5111
Email: brian.stehle@peostri.army.mil

Milestones

▲   ▲

RFP: CA:
TBD   TBD

APBI   Advance Planning Briefing to Industry

FCA (Future Cargo Aircraft)

Description

❑ The FCA is the Army's new Intra-theater Cargo Aircraft (4 man crew – Pilot, Co-pilot, 2-Loadmasters); FUE: FY09

❑ Required: (Derived from the FCA STRAP): Non-proprietary suite of FCA TADSS, to include: Desktop Flight Simulator; Flight Simulator FAA level D; Cockpit Procedures Trainer; Loadmaster Simulator; Mission rehearsal/combat TADSS; FCS compatible software; Fair Fight interoperable with DIS / HLA / SE Core compliant TADSS (e.g. AVCATT, CCTT, VCCT, FSXXI).

Acquisition Strategy	Funding
• PM Fixed-Wing is currently conducting market research to assess whether the FCA platform OEM (TBD) should be responsible for all or part of FCA TADSS, or if TADSS will be developed separately. •PM ACTT's role is currently support and consultation to PM Fixed-Wing	**H** **$$$** RDT&E and OPA

Point of Contact	Milestones
Name: David Meyers **Phone: 407-384-3617** **Email: david.meyers@peostri.army.mil**	🔺 🔺 RFP: CA: TBD TBD

LTC Joseph Giunta Product Manager

Ground Combat Tactical Trainers

Medical Simulation Training Centers

Description

91W Simulation Training Centers – coordination and procurement of simulators. Conduct the Tactical Combat Casualty Care Course (TC3), Conduct combat life-saver training for non-medical personnel, Additional training when available Conduct pre-deployment training to enhance trauma and life-saving skills/procedures, Conduct transition and sustainment training for 91Ws, Standardize the simulation training Program of Instruction (POI) , 13 CONUS / OCONUS sites.

Acquisition Strategy

**Pending the completion of program requirements
STOC / Directed - TBD
Integration and Production Contract**

Funding

**L
L
$
R&D and OPA**

Point of Contact

**Name: Debra Marsden
Phone: 407-384-3580
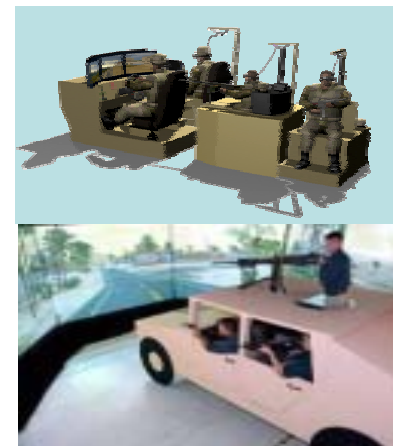Email: debra.marsden@peostri.army.mil**

Milestones

1 QTR 06	4QTR 06	1QTR 07	4QTR 07
▲	▲	▲	▲
RFP	CA	FUE	Complete

Initial site visit at Ft Campbell scheduled for 16 – 19 May 05

Virtual Combat Convoy Trainers

Description

PEO STRI will acquire and field a virtual training system to train drivers and gunners of military vehicles to identify a potential ambush, how to identify improvised explosive devices (IEDs), how to avoid an ambush, how to return fire, maneuver and to react appropriately in the Contemporary Operating Environment (COE). Recent combat operations have demonstrated the need for convoy combat training. Must have "Government Purpose Rights" for interoperability across the virtual domain.

Acquisition Strategy

Assuming approval for a new start program

STOC/Full and Open Competition - TBD

Development and Production Contract

Funding

M

$$

RDT&E and OPA

Point of Contact

Name: MAJ Ted Perryman
Phone: 407-384-5265
Email: theodore.perryman@peostri.army.mil

Milestones

4 QTR 07	1QTR 08	4QTR 08	4QTR 10
RFP	CA	FUE	Complete

BRADLEY Hands on Trainers (HOT)

Description

Hands On Trainer (HOT) – A full scale three dimensional replica of the Bradley ODS turret and driver's compartment. The maintenance training systems shall provide skill level development for system operation, fault diagnosis, troubleshooting, adjustments, removal/replacement, and repair tasks.

Acquisition Strategy	Funding
Upgrade to exisiting fielded devices **STOC** **Production Contract**	**L** **$** **RDT&E and OPA**

Point of Contact	Milestones
Name: Debra Marsden **Phone: 407-384-3580** **Email: debra.marsden@peostri.army.mil**	**1 QTR 06 2QTR 06 3QTR 07 2QTR 09** ▲ ▲ ▲ ▲ **RFP CA FUE Complete**

Armored Security Vehicle Family of Trainers

Description

The ASV-150 is an armored, wheeled vehicle equipped with a turret and armament system designed to meet the security mission requirements of the Military Police Corps. The vehicle features roll-on/roll-off C130 transportability in the fully operational configuration.   The MP School is currently defining a training strategy for driver, gunner, and maintenance training. Must have "Government Purpose Rights" for interoperability across the virtual domain.

Acquisition Strategy		Funding			
Pending the completion of program requirements		**L**			
STOC		**$**			
Development and Production Contract		**RDT&E and OPA**			

Point of Contact		Milestones			
Name: TBD		TBD	TBD	TBD	TBD
Phone: 407-384-5160/5161/6162		▲	▲	▲	▲
Email: joseph.giunta@peostri.army.mil		RFP	CA	FUE	Complete

Description

Family of Medium Tactical Vehicles (FMTV) is a family of diesel-powered trucks in the 2-½ ton and 5 ton payload classes to Modernize and improve the existing medium vehicle fleet. Must have "Government Purpose Rights" for interoperability across the virtual domain.

Acquisition Strategy		Funding
Pending the compleiton of program requirements		L
STOC		$
Development and Production Contract		RDT&E and OPA

Point of Contact		Milestones
Name: TBD **Phone: 407-384-5160/5161/6162** **Email: joseph.giunta@peostri.army.mil**		TBD — TBD — TBD — TBD

Milestones:

TBD	TBD	TBD	TBD
▲	▲	▲	▲
RFP	CA	FUE	Complete

EST 2000 Recompete

Description

The Engagement Skills Trainer 2000 (EST 2000) is an indoor, multipurpose, multilane, small arms training simulator. It simulates weapon training events which lead to live-fire individual/crew weapon qualification and training events. It simulates squad collective gunnery and tactical tasks for defense and ambush missions using "laser bullets" that have been eye safety validated. Must have "Government Purpose Rights" for interoperability across the virtual domain.

Acquisition Strategy

STOC

Follow on production requirement to achieve the most current technology available

Funding

H

$$$

RDT&E and OPA

Point of Contact

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Milestones

| 4 QTR 05	1QTR 06	4QTR 06	FY09
RFP	CA	FUE	Complete

Common Gunnery Architecture (CGA)

Common Software Components

The goal of CGA is to standardize all of the gunnery training systems into a single software product line to enable the most prudent long-term growth potential in training capability and effectiveness. The CGA is an extension of the OneSAF Objective System (OOS) product line architecture, and its components, to support precision gunnery training devices within a common virtual environment.
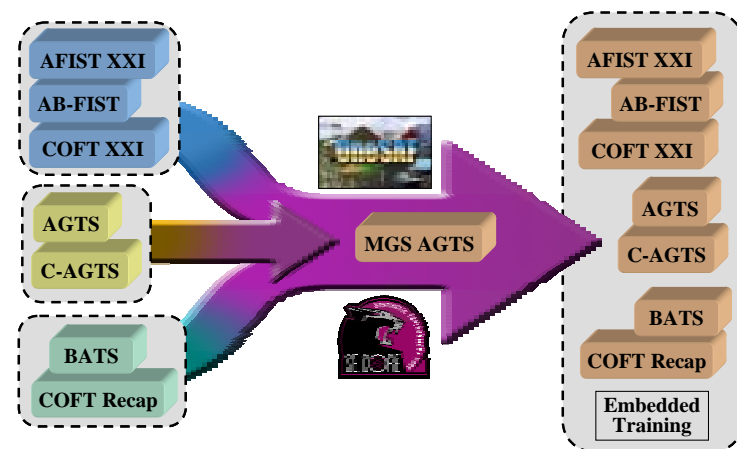
Acquisition Strategy

- **Evolutionary acquisition strategy through an incremental development process.**
- **Stryker MGS AGTS used as developmental platform for first increment.**
- **Multiple contracts will be awarded to support the CGA strategy of which the Common Software Components is a segment.**

Funding

L

$

RDT&E and OPA

Point of Contact

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Milestones

Industry Day:	RFP:	CA:
12 JUL 05 (T)	15 JUL 05	15 SEP 05

APBI Advance Planning Briefing to Industry